Getting Started with MayaNAS

MayaNAS software is a set of Linux kernel modules for Centos/RedHat[1] distribution running on x86_64 based servers. The minimum hardware requirements is as outlined below based on the desired software features.

Storage Feature	Network	CPU(Min)	Memory(Min)
Block Storage: iSCSI on Standard HDD Pool Hybrid SSD NVMe based storage	 1Gbe 10Gbe 10//40Gbe	2 Cores	1GB
FibreChannel Target	Qlogic 2/4/8Gbps	2 Cores	1GB
NvMeoF Target	40Gbe/Infiniband FDR	4 Cores	1GB
ZFS Storage Pool		4 Cores	4GB
ZFS + Deduplication		4 Cores	4GB + 5GB for every TB
LVM Storage Pool		2 Cores	2GB
LVM + Deduplication		4 cores	1Gb + 268MB for every TB
NFS Server	10Gbe	4 cores	8GB
High Availability	100/1Gbe for heartbeat network.		